



JST-EAMH-(585-600)W-TD

MBB HALF-CELL N-Type TOPCon Bifacial
Double Glass Monocrystalline PV Module

585-600W

POWER RANGE

23.22%

MAXIMUM EFFICIENCY

0.40%

YEARLY DEGRADATION

12 12 YEARS PRODUCT WARRANTY

30 30 YEARS OUTPUT GUARANTEE



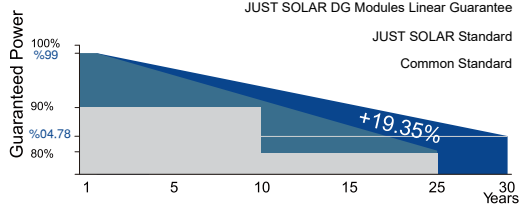
IEC 61215/IEC 61730

ISO 14001: Environmental Management System

ISO 9001: Quality Management System

ISO45001: Occupational Health and Safety Management System

*As there are different certification requirements in different markets, please contact your local sales representative for the specific certificates applicable to the products in the region in which the products are to be used.



*Please check the valid version of Limited Product Warranty which is officially released by JUST SOLAR GROUP LIMITED.

Key Features



Excellent Cells Efficiency

SMBB technology reduce the distance between busbars and finger grid line which is benefit to power increase.



Better Weak Illumination Response

More power output in weak light condition, such as haze, cloudy, and early morning.



Anti PID

Ensured PID resistance through the quality control of cell manufacturing process and raw materials.



Adapt To Harsh Outdoor Environment

Resistant to harsh environments such as salt, ammonia, sand, high temperature and high humidity environment.



Reaction to Fire Class 1

In conformity with standard UNI 9177:1987, reaction to fire class 1.



Excellent Quality Management System

Warranted reliability and stringent quality assurances well beyond certified requirements.

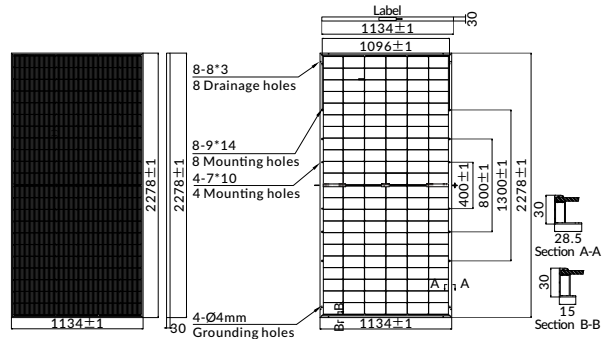


Bifacial Technology

Up to 25% additional power gain from back side depending on albedo.

MECHANICAL CHARACTERISTICS

| | |
|----------------------|----------------------------------|
| Solar Cells | N-type Mono |
| No. of Cells | 132 (6x22) |
| Dimensions | 2278 x 1134 x 30mm |
| Weight | 31.5kg |
| Front Glass | 2.0mm coated semi-tempered glass |
| Back Glass | 2.0mm semi-tempered glass |
| Junction Box | Ip68 rated (3 by pass diodes) |
| | 4.0mm ² |
| Output Cables | 280mm (+) / 350mm (-) |
| | Length can be customized |
| Connectors | Mc4 compatible |
| Mechanical load test | 5400Pa |



ELECTRICAL PARAMETERS

| POWER CLASS | 585 | | 590 | | 595 | | 600 | |
|---------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| | STC | NMOT | STC | NMOT | STC | NMOT | STC | NMOT |
| Maximum power (Pmax) | 585W | 444W | 590W | 447W | 595W | 451W | 600W | 455W |
| Open Circuit Voltage (Voc) | 51.48V | 47.88V | 51.67V | 48.05V | 51.86V | 48.23V | 52.05V | 48.41V |
| Short Circuit Current (Isc) | 14.50A | 11.89A | 14.55A | 11.93A | 14.61A | 11.98A | 14.66A | 12.02A |
| Voltage at Maximum power (Vmpp) | 42.78V | 39.70V | 42.94V | 39.85V | 43.10V | 39.99V | 43.25V | 40.13V |
| Current Maximum Power (Impp) | 13.70A | 11.18A | 13.76A | 11.23A | 13.83A | 11.28A | 13.89A | 11.33A |
| MODULE EFFICIENCY (%) | 22.64% | | 22.83% | | 23.02% | | 23.22% | |

STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G NMOT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G

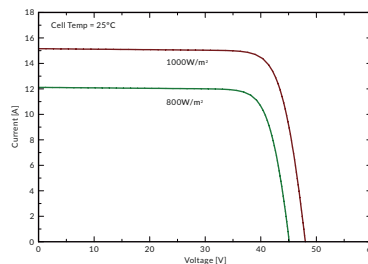
BIFACIAL OUTPUT-REAR SIDE POWER GAIN

| | | 585 | | 590 | | 595 | | 600 | |
|-----|---------------------------|--------|--------|--------|--------|-------|-------|-------|-------|
| | | Value | Value | Value | Value | Value | Value | Value | Value |
| 5% | Maximum power (Pmax) | 614W | 620W | 625W | 630W | | | | |
| | Module Efficiency STC (%) | 23.77% | 23.97% | 24.17% | 24.38% | | | | |
| 15% | Maximum power (Pmax) | 673W | 679W | 684W | 690W | | | | |
| | Module Efficiency STC (%) | 26.04% | 26.25% | 26.47% | 26.70% | | | | |
| 25% | Maximum Power (Pmax) | 731W | 738W | 744W | 750W | | | | |
| | Module Efficiency STC (%) | 28.30% | 28.54% | 28.78% | 29.03% | | | | |

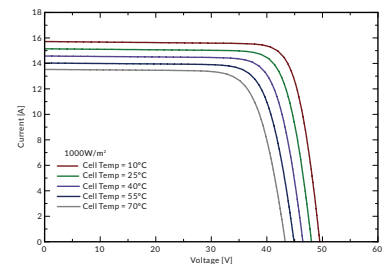
PACKING CONFIGURATION

| | |
|-----------------------|-------|
| Container | 40'HQ |
| Pieces per pallet | 36 |
| Pallets per container | 20 |
| Pieces per container | 720 |

I-V CURVE



585W



OPERATING CHARACTERISTICS

| | |
|------------------------------|----------------|
| Operating Module Temperature | -40°C to +85°C |
| Maximum System Voltage | 1500 DC (IEC) |
| Maximum Series Fuse Rating | 30A |
| Power Tolerance | 0/+5W |

TEMPERATURE CHARACTERISTICS

| | |
|--------------------------------------|------------|
| Nominal Operating Temperature (NMOT) | 45±2°C |
| Temperature Coefficient of Pmax | -0.29%/°C |
| Temperature Coefficient of Voc | -0.25%/°C |
| Temperature Coefficient of Isc | +0.045%/°C |